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1.   Introduction
       GDS Delivery Version: **D3.2.0**   ☐ Full Delivery   ☒ Partial   ICA #: 10374

       In Flight
       Spacecraft: ☐ MGS   ☐ M98 Orbiter   ☐ M98 Lander   ☐ Stardust   ☐ Other [_____]

       Pre_Flight
       Spacecraft: ☐ M01 Orbiter   ☐ M01 Lander   ☐ Genesis   ☐ Other [_____]

       Type: ☒ Block Updates: **tcm.blk**   ☐ Utilities ☐ Command Dictionary
                    ☐ Modeling Updates   ☐ Other [_____]

_____

 Notice: Times Below were decided at the Change Board.

     Installation Window: _____
     Best Times to Install: _____
     Freeze Times: _____

_____

MCR's

 522   - MPL TCM Block Change for ISA Z49353

ISA's

Z49353 - Acquisition of signal immediately after spacecraft separation indicated symptoms of a failure to acquire inertial reference. Absence of valid star camera images indicate the possibility of a hardware anomaly. Contingency plan M98-SCT-CP-0401 was executed.

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2. Delivery Location: **mgcm1:/staging/MSOP/seq**   ☒ **doc/** (directory) ☒ **tarfiles/** (directory)

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3. SEQ Workstations - Installation Instructions: ☐ N/A   ☒ (See Attached - Directory Listing)

   a) Special Alerts - Before Install

        ☐ ASP - Must be Stopped - Coordinate with SEQ Team Chief and SIE on Duty

        ☒ Notify S/W Dev: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153)   &   ☒ SIE on Duty

        Comments:

_____

   b)   Install - Tar file: **D3.2.0**-SEQ-**000**-SEQ tar in directory: /msop/seq/

        On: PST workstations

        1) copy the tarfile: **D3.2.0**-SEQ-**000**-SEQ.tar   - to subdirectory: /msop
        2) tar -xvf **D3.2.0**-SEQ-**000**-SEQ.tar
        3)   rm **D3.2.0**-SEQ-**000**-SEQ.tar

        Comments:
_____

c) Notify: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153) ☐ Linda Lee (3-9568), when Install is completed.

    1) Software Dev will configure /msop/seq_data and other areas
       ☒ clean-out /engineering
       ☒ verify software installed correctly
       ☒ run test cases

    2) Software Dev will Notify: ☒ SIE on Duty ☒ CM when configuration is completed.

    3) ☐ SIE on Duty ☐ SEQ Team Chief ☐ Software Development will:

       ☐ Restart ASP ☐ Notify - ACE, so Operations may continue ☐ Notify - CM

Special - User's - Alerts - After Install:

☒ Log off workstation - then Log back on (files need to be re-configured)
☐ Incon's MUST be updated
☐ Previous symout can be used ☐ Default - symout MUST be used _____

Comments:

_____

4. SCT Workstations - Installation Instructions: ☐ (See Attached - Directory Listing)

  a) Special Alerts - Before Install

    1) copy the tarfile: **D3.2.0**-SEQ-**000**-SEQ.tar - to subdirectory: /msop
    2) tar -xvf **D3.2.0**-SEQ-**000**-SEQ.tar
    3) rm **D3.2.0**-SEQ-**000**-SEQ.tar

    Comments:

_____

  b) Install Tar file: **D3.2.0**-SEQ-**000**-SEQ.tar in /msop/seq

    On: ☐ LMA SCT SERVER ☐ LMA STL Workstations ☐ SD MSA

    Comments:

_____

  c) Notify: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153) ☐ Linda Lee (3-9568), when Install is completed.

    1) Software Dev will configure /msop/seq_data and other areas
       ☒ clean-out /engineering
       ☒ verify software installed correctly
       ☒ run test cases

    2) Software Dev will Notify: ☐ ACE ☐ CM - when configuration is completed.

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Special - User's - Alerts - After Install:

  ☒ Log off workstation - then Log back on (files need to be re-configured)

Comments:

This form will be placed on our homepage, in the following URL: http://mgsw3.jpl.nasa.gov/seq/seq_dev/

Directory Listing: D3.2.0-SEQ-**000**-SEQ.tar

```
2235 Oct 13 18:15 1999 seq/bin/mpl-seq-adapt-setup

417738 Oct 13 18:37 1999 seq/satf/M98.lander.B77a.satf
```

Sequence Development Tests - ran on: **mdevttacs & mtbseq1**

Script   **run_local_SIM_rtc_ASP_tests**   (Ran on **mdevttacs & mtbseq1** – runs ASP locally)

	Options Selected	Comments
X	1 - file_load tests (ic - ifl) 8-tests	
X	2 - SCT - ic & ec - tests - 13-tests - sdu-mgs-mco-mpl	Tests ran as expected, everything, ran through the ASP
	3 - MAG - nipc tests - 2-tests - mgs only	
	4- All tests	

Script: **run_block_tests**   (Each block is run through Seqgen)

Ran – MPL - test and - compares D3.2.0_mtbseq1 with D3.2.0_mdevttacs
Ran – test and - compares D3.2.0_mdevttacs with D3.1.0_mtbseq1

	Options Selected	Comments
X	1 - mpl - Blocks	
	2 - mco - Blocks	Test ran as expected all miss-compares were explained, due to block updates
	3 - mpl & mco - Blocks	
	4 - sdu - Blocks	
	5 - All tests	